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MONTANA OIL AND GAS STATISTICAL BULLETIN

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HELENA, MONTANA 59601

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1721 ELEVENTH AVENUE
HELENA, MONTANA 59601

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Vol. XXVII, No. 8 — 4 — August, 1978

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PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1978 averaged 85,049 barrels daily, an increase of 1,250 barrels from the average 83,779 production in July.

The six refineries in the state processed 141,033 barrels of crude oil daily for the month of August, an increase of 8,549 barrels from the 132,484 barrels processed daily during the month of July.

During August, 75 wells were completed, 11 oil, 23 gas, and 41 dry holes.

During August the board issued 115 permits to drill new wells, an increase of 29 from the 86 permits issued during July.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF AUGUST

IN STORAGE: August 1st	
By Producers	379,560
By Transporters	1,455,024
By Refiners	1,484,925
TOTAL STORAGE	3,319,509
Produced in Mont. During Month	2,636,531
Imported During Month	3,488,993
TOTAL	9,445,033
DISPOSITION	
Refined in Montana	4,274,538
Exported	1,685,403
Used for Fuel or Lost	8,578
TOTAL	5,968,519
IN STORAGE: August 31st	
By Producers	371,702
By Transporters	1,522,391
By Refiners	1,582,421
TOTAL STORAGE	3,476,514

REFINERS MONTHLY REPORT AUGUST, 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co	178,779	257,617	—	239,425	654,996	1,195,636	135,181
Exxon Company	305,131	66,898	—	1,018,519	412,739	1,422,934	380,353
Farmers Union	979,778	104,005	—	391,696	771,171	1,206,581	1,040,069
Kenco Refining	—	90,041	447	--	—	90,488	—
Phillips Petroleum	7,865	174,496	—	--	—	174,891	7,470
Wesco Refining Co	13,372	189,984	—	—	—	184,008	19,348
Totals	1,484,925	883,041	447	1,649,640	1,838,906	4,274,538	1,582,421

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,632	549	50,405	57,615	133,201	18 49%	.41%	37.84%	43.26%
August, 1977	27,885	630	59,285	53,310	141,110	19 76%	45%	42.01%	37 78%
August, 1978	28,485	14	53,214	59,320	141,033	20 20%	01%	37.73%	42 06%

PRODUCERS' REPORT—MONTH OF AUGUST, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
4	Arch Apex	5	1,360	2,682	1,852	—	2,190
2	Ash Creek	3	404	836	776	—	464
1	Bainville	1	3,416	1,341	1,130	—	3,627
1	Bainville West	1	381	1,436	1,034	—	783
5	Bannatyne	10	505	508	457	—	556
5	Bears Den	6	1,652	1,134	1,359	—	1,427
15	Bell Creek	176	10,905	579,819	577,576	1,751	11,397
—	Benrud	—	243	—	—	—	243
3	Benrud East	3	2,087	9,237	10,028	—	1,296
1	Benrud Northeast	1	945	1,008	818	—	1,135
1	Berthelote	1	156	102	—	—	258
3	Big Gully	3	464	2,727	2,629	10	552
3	Big Muddy Creek	3	851	6,070	5,986	—	935
5	Big Wall	12	755	7,757	7,091	—	1,421
1	Blackfoot	6	437	1,508	1,606	—	339
1	Blue Hill	1	798	2,473	2,411	—	860
5	Border	9	1,064	1,547	1,416	—	1,195
1	Boulder	1	1,529	1,327	1,638	—	1,218
1	Bowes	55	3,717	11,172	10,365	—	4,524
1	Bradley	1	268	515	551	—	232
1	Brady	1	—	230	230	—	—
2	Breed Creek	5	813	13,039	13,296	—	556
5	Brorson-Madison	5	2,940	2,857	3,667	—	2,130
3	Brorson-Red River	3	4,976	2,064	2,650	—	4,390
5	Brorson-Red River S	5	1,754	7,861	7,138	—	2,477
4	Brorson South East	4	1,299	2,128	2,324	—	1,103
5	Brush Lake	5	1,181	6,744	6,549	—	1,376
1	Burns Creek	1	452	663	890	—	225
2	Cabin Creek	86	—	136,100	136,100	—	—
2	Canal	2	956	2,969	2,378	—	1,547
11	Cat Creek	60	2,296	10,512	10,885	—	1,923
2	Charlie Creek	2	1,389	11,303	11,365	—	1,327
—	Clark's Fork	—	37	—	—	—	37
—	Clark's Fork North	—	836	—	397	—	439
1	Clark's Fork South	1	1,021	17	—	—	1,038
3	Clear Lake	3	1,467	12,093	12,253	—	1,307
—	Conrad South	—	90	—	—	—	90
1	Cow Creek	1	352	382	525	—	209
9	Cow Creek East	11	4,850	19,712	20,037	—	4,525
2	Culbertson	2	1,769	9,709	9,939	—	1,539
7	Cupton	10	3,788	10,871	8,382	—	6,277
91	Cut Bank	816	34,501	132,695	132,662	26	34,508
1	Dagmar	1	1,042	4,169	4,166	—	1,045
1	Dean Dome	1	670	583	612	—	641
1	Deer Creek	1	298	684	460	—	522
1	Delphia	1	186	411	368	—	229
—	Devils Basin	—	294	—	—	—	294
6	Dry Creek	6	657	1,935	2,077	—	515
2	Dwyer	10	2,463	11,875	10,756	—	3,582
3	Elk Basin	52	466	79,587	79,563	—	490
3	Elk Basin Northwest	5	1,824	1,080	1,350	—	1,554
5	Fairview	9	9,691	24,909	24,894	—	9,706
2	Fertile Prairie	2	239	1,228	1,228	—	239
3	Flat Coulee	19	1,202	11,854	11,078	—	1,978
7	Flat Lake	49	2,299	50,387	50,665	—	2,021
4	Flat Lake South	4	1,363	3,637	4,188	—	812
2	Fort Gilbert	3	700	4,017	3,359	—	1,358
1	Four Mile Creek	1	628	1,039	1,231	—	436
2	Four Mile Creek West	2	820	2,962	2,483	—	1,299
1	Frannie	1	—	744	744	—	—
9	Fred & George Creek	29	6,311	36,965	36,129	—	7,147
1	Froid South	1	731	656	411	—	976
1	Gage	1	35	104	—	—	139
3	Gas City	10	7,214	7,026	11,285	—	2,955
—	Girard	—	1,275	—	—	—	1,275
10	Glendive	13	2,747	18,029	18,761	—	2,015
1	Golden Dome	1	366	345	601	42	68
12	Goose Lake	19	3,124	16,233	16,113	(27)	3,271
12	Graben Coulee	37	3,681	3,797	3,548	3	3,927
1	Grandview East	1	215	216	193	—	238
3	Gumbo Ridge	5	1,064	4,559	4,751	—	872
4	Gypsy Basin	8	778	2,099	1,364	838	675
1	Hay Creek-Mission	1	550	365	536	—	379
2	Hay Creek-Red River	2	2,378	3,518	3,082	23	2,791
4	Hiawatha	4	1,955	4,228	4,286	—	1,897
1	Hibbard	1	649	77	—	—	726
8	High Five	15	4,698	31,261	32,615	7	3,337
1	Highview	1	62	545	415	—	192
1	Horse Creek	1	624	169	—	—	793
3	Howard Coulee	3	2,121	3,629	5,112	—	638
4	Ivanhoe	10	872	2,758	2,573	—	1,057
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	15	2,910	21,357	21,076	—	3,191
6	Keg Coulee	17	3,015	6,888	6,024	(191)	4,070
4	Keg Coulee North	4	1,242	1,739	1,961	10	1,010
1	Kelley	3	725	1,474	1,793	—	406
110	Kevin Sunburst	537	16,237	31,099	32,333	(1)	15,004
1	Laird Creek	10	567	2,214	1,879	—	902
—	Landslide Butte	—	221	—	—	—	221
5	Leary	5	1,918	2,818	3,149	42	1,545
2	Little Beaver	23	148	34,723	34,725	—	146
2	Little Beaver East	9	2,874	10,812	11,934	—	1,752
15	Little Wall Creek	16	4,019	19,971	19,646	45	4,299
1	Lodge Grass	1	519	678	634	—	563
2	Lone Butte	2	621	3,451	3,184	—	888
7	Lonetree Creek	7	3,902	15,587	15,942	—	3,547
1	Long Creek	1	188	533	505	—	216
2	Long Creek West	2	1,127	6,457	6,601	—	983

PRODUCERS' REPORT—MONTH OF AUGUST, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Lookout Butte (Coral Creek)	30	665	52,021	52,066	—	620
3	Mason Lake	4	609	2,717	2,889	—	437
1	McCabe	1	660	1,367	1,155	—	872
5	Melstone	9	2,083	12,322	12,784	—	1,621
1	Mineral Bench	1	156	393	393	—	156
2	Miners Coulee	2	395	351	—	—	746
14	Mon Dak West	14	16,655	51,470	56,485	—	11,640
9	Monarch	14	3,731	10,335	10,700	—	3,366
4	Mosser	12	—	664	664	—	—
1	Nohly	2	1,164	6,404	6,801	—	767
1	North Fork	2	1,327	6,721	6,667	—	1,381
4	Otis Creek	4	3,301	6,251	6,939	—	2,613
5	Outlook	5	1,430	14,274	13,848	—	1,856
1	Outlook South	1	235	533	—	—	768
2	Outlook West	2	891	1,397	712	—	1,576
1	Oxbow	1	956	4,112	3,968	—	1,100
1	Pennel	114	1,024	250,578	250,578	—	1,024
2	Phantom	2	609	1,163	1,087	—	685
4	Pine	98	13,693	196,003	195,727	—	13,969
69	Pondera	294	6,021	26,671	27,468	—	5,224
2	Pondera Coulee	2	—	421	421	—	—
6	Poplar	60	7,905	35,241	35,578	—	7,568
10	Poplar Northwest	15	3,489	14,406	14,802	—	3,093
—	Prairie Elk	—	716	—	—	—	716
1	Prichard Creek	4	319	392	334	—	377
1	Putnam	2	317	2,400	2,453	—	264
5	Putnam East	5	2,103	11,251	10,873	—	2,481
3	Rabbit Hills	3	2,023	4,151	4,208	—	1,966
10	Ragged Point	23	4,162	4,747	5,187	2	3,720
2	Rattler Butte	2	525	2,711	2,519	—	717
2	Rattlesnake Coulee	2	732	235	430	—	537
2	Raymond	5	2,041	17,821	17,864	—	1,998
—	Raymond Northeast	—	237	—	—	—	237
3	Reagon	45	703	16,491	16,292	—	902
1	Red Creek	18	—	7,000	7,000	—	—
1	Red Fox	1	399	221	352	—	268
1	Redstone	1	177	704	731	—	150
1	Repeat	1	444	729	752	—	421
4	Reserve	4	4,607	10,577	10,207	—	4,977
2	Richey	3	514	2,498	2,543	—	469
1	Richey Southwest	4	453	760	578	—	635
2	RipRap Coulee	2	988	1,694	1,823	—	859
4	Rosebud	4	2,084	2,058	2,616	—	1,526
1	Rush Mountain	1	636	1,724	1,735	—	625
2	Salt Lake	3	449	1,756	1,779	—	426
2	Sand Creek	4	402	2,505	2,505	—	402
4	Second Creek	4	1,428	11,383	11,380	—	1,431
2	Sheepherder	3	777	444	640	5	576
1	Shotgun Creek, North	1	345	3,420	3,575	—	190
7	Sidney	7	3,912	16,886	17,624	—	3,174
7	Sioux Pass	7	4,749	18,206	18,593	—	4,362
1	Sioux Pass, East	1	324	1,177	1,210	—	291
2	Sioux Pass, Middle	2	1,712	8,990	9,545	—	1,157
5	Sioux Pass, North	5	5,332	8,651	9,409	—	4,574
1	Snyder	3	574	587	386	—	775
7	Soap Creek	21	1,658	3,642	3,014	—	2,286
3	South Fork	3	3,230	14,143	15,364	—	2,009
1	Spring Lake	2	1,249	1,482	1,618	—	1,113
1	Stensvad	3	1,065	576	—	—	1,641
30	Sumatra	101	9,023	133,134	129,492	59	12,606
2	Sunnyhill	2	460	2,599	2,431	—	628
1	Tippy Buttes	1	235	1,061	1,115	—	181
5	Tule Creek	5	3,026	12,388	12,703	—	2,711
1	Tule Creek East	1	587	1,079	884	—	782
2	Tule Creek South	3	977	338	150	—	1,165
3	Utopia	9	1,014	7,094	6,670	—	1,438
9	Vaux	9	8,788	18,398	20,275	—	6,911
1	Vida	1	112	120	—	—	232
5	Volt	6	2,602	7,475	7,593	—	2,484
1	Wagon Box	1	311	111	206	—	216
1	Weed Creek	1	243	471	426	—	288
3	Weldon	3	1,952	1,698	1,922	—	1,728
1	West Butte	1	209	550	562	—	197
29	Whitlash	65	14,153	15,822	14,724	—	15,251
1	Whitlash West	1	284	508	418	—	374
2	Willow Creek North	2	374	673	510	—	537
1	Willow Ridge	2	—	211	211	—	—
2	Wills Creek South	2	—	1,467	1,467	—	—
3	Winnett Junction	6	646	9,708	9,910	—	444
2	Wolf Springs	2	981	852	1,227	—	606
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	562	2,034	2,149	—	447
2	Wright Creek	3	566	839	—	12	1,393
2	Wildcat, Big Horn County	2	885	1,927	1,956	—	856
—	Wildcat, McCone County	—	52	—	—	—	52
2	Wildcat, Musselshell County	2	370	320	422	2	266
9	Wildcat, Richland County	9	5,137	17,901	17,247	—	5,791
—	Wildcat, Roosevelt County	—	88	—	—	—	88
1	Wildcat, Sheridan County	1	385	6,152	5,997	—	540
1	Wildcat, Toole County	1	396	269	382	—	283
2	Wildcat, Wibaux County	2	743	876	1,038	—	581
874	TOTAL	3,437	379,560	2,636,531	2,641,731	2,658	371,702

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF AUGUST, 1978

Field NATURAL	MC. Ft.
Alma	876
Bear's Den	—
Big Coulee	64,330
Big Rock	79,459
Black Coulee	5,403
Blackjack	28,528
Bowdoin	482,244
Bowes	775
Brown's Coulee	6,821
Bullwacker & Area	181,297
Canadian Coulee	73,332
Cedar Creek	114,838
Chip Creek	1,862
Clark's Fork, North	—
Coal Coulee	4,299
Cut Bank	279,182
Dry Creek	93,735
Dry Creek, Middle	997
Dunkirk North	36,629
East Chinook	10,840
Flat Coulee	300
Fresno	38,089
Gold Butte	1,449
Grandview	17,811
Gypsy Basin	26,093
Hardin	1,282
Haystack Butte	15,589
Highview	63,536
Keith Block	43,238
Kevin Sunburst	2,096
Kevin Sunburst Nisku & Area	6,599
Kicking Horse	21,146
Kinyon Coulee Area	6,154
Lake Basin	14,415
Ledger	11,649
Leroy	98,732
Liscom Creek	15,730
Lohman	2,544
Middle Butte	1,125
Miners Coulee	22,527
Mt. Lilly	—
Phanton	2,765
Plevna	3,838
Prairie Dell	49,191
Pumpkin Creek	23,344
Rapelje	19,070
Rocky Boy Area	11,319
Rudyard	45,620
Sage Creek	--
Sawtooth Mountain & Area	163,125
Sherard	81,422
Strawberry Creek Area	6,635
Snoose Coulee	12,342
South Devon	13,940
South Shelby	37,617
Swanson Creek	4,282
Tiger Ridge	1,120,260
Trail Creek	—
Utopia	--
West Butte	—
Whitlash	47,208
Willow Ridge	10,308
TOTAL NATURAL GAS	3,527,837

Field ASSOCIATED	MC. Ft.
Bell Creek	40,103
Big Muddy Creek	—
Blue Hill	1,938
Clark's Fork South	4,471
Coral Creek	3,125
Elk Basin	6,340
Fairview	34,108
Four Mile Creek	991
Four Mile Creek, West	723
Glendive	150
Mon Dak West	27,500
Otis Creek	3,644
Pennel	5,925
Richland	55,173
Sioux Pass	10,872
Sioux Pass, East	1,212
Sioux Pass, Middle	6,698
Sioux Pass, North	3,078
Sumatra	10,189
Tule Creek	4,275
TOTAL ASSOCIATED GAS	220,515
TOTAL WITHDRAWALS	3,748,352

Total withdrawals for August, 1977, were 3,591,351 MCF.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,680,054	89,534	32,202,122	88,225
1st Quarter, 1978	7,228,897	80,321	7,188,700	79,874
2nd Quarter, 1978	7,661,483	84,192	7,659,476	84,170
July, 1978	2,597,772	83,799	2,584,652	83,376
August, 1978	2,636,531	85,049	2,641,731	85,217

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
March, 1978	382,596	1,470,247	1,432,055	3,284,898
June, 1978	370,202	1,578,927	1,488,928	3,438,057
July, 1978	379,560	1,455,024	1,484,925	3,319,509
August, 1978	371,702	1,522,391	1,582,421	3,476,514